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|              |    |        |  |
|--------------|----|--------|--|
| NEWS         | 1  |        | Web Page URLs for STN Seminar Schedule - N. America  |
| NEWS         | 2  |        | "Ask CAS" for self-help around the clock   |
| NEWS         | 3  | SEP 01 | New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!  |
| NEWS         | 4  | OCT 28 | KOREAPAT now available on STN  |
| NEWS         | 5  | NOV 30 | PHAR reloaded with additional data   |
| NEWS         | 6  | DEC 01 | LISA now available on STN  |
| NEWS         | 7  | DEC 09 | 12 databases to be removed from STN on December 31, 2004   |
| NEWS         | 8  | DEC 15 | MEDLINE update schedule for December 2004  |
| NEWS         | 9  | DEC 17 | ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected   |
| NEWS         | 10 | DEC 17 | COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected   |
| NEWS         | 11 | DEC 17 | SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected  |
| NEWS         | 12 | DEC 17 | CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected   |
| NEWS         | 13 | DEC 17 | THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB   |
| NEWS         | 14 | DEC 30 | EPFULL: New patent full text database to be available on STN   |
| NEWS         | 15 | DEC 30 | CAPLUS - PATENT COVERAGE EXPANDED  |
| NEWS         | 16 | JAN 03 | No connect-hour charges in EPFULL during January and February 2005   |
| NEWS         | 17 | JAN 26 | CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)  |
|              |    |        |  |
| NEWS EXPRESS |    |        | JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005 |
|              |    |        |  |
| NEWS HOURS   |    |        | STN Operating Hours Plus Help Desk Availability  |
| NEWS INTER   |    |        | General Internet Information   |
| NEWS LOGIN   |    |        | Welcome Banner and News Items  |
| NEWS PHONE   |    |        | Direct Dial and Telecommunication Network Access to STN  |
| NEWS WWW     |    |        | CAS World Wide Web Site (general information)  |

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:49:06 ON 31 JAN 2005

=> index bioscience

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| SINCE FILE | TOTAL   |
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| ENTRY      | SESSION |
| 0.21       | 0.21    |

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 15:49:31 ON 31 JAN 2005

75 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> "alice Y. Ting"

29 FILES SEARCHED...

65 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 75 FILES SEARCHED IN STNINDEX

L1 QUE "ALICE Y. TING"

=> FIL MEDLINE CAPLUS

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 2.95       | 3.16    |

FULL ESTIMATED COST

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=> FIL 1MOBILITY

COST IN U.S. DOLLARS

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| ENTRY      | SESSION |
| 0.83       | 3.99    |

FULL ESTIMATED COST

FILE '1MOBILITY' ENTERED AT 15:52:59 ON 31 JAN 2005

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1MOBILITY and 2MOBILITY, which together comprise the Global Mobility Database, can be accessed and searched together through the file cluster MOBILITY. Type FILE MOBILITY to enter this cluster.

=> FIL BIOSIS

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
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| ENTRY      | SESSION |
| 0.43       | 4.42    |

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RECORDS LAST ADDED: 26 January 2005 (20050126/ED)

FILE RELOADED: 19 October 2003.

=> file biosis medline caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 0.85             | 5.27          |

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=> file biosis

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 1.68             | 6.95          |

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FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 26 January 2005 (20050126/ED)

FILE RELOADED: 19 October 2003.

=> E TING ALICE Y/AU 25

|     |        |                        |
|-----|--------|------------------------|
| E1  | 5      | TING ALBERT C/AU       |
| E2  | 8      | TING ALBERT C W/AU     |
| E3  | 11 --> | TING ALICE Y/AU        |
| E4  | 1      | TING ALICE YEN PING/AU |
| E5  | 1      | TING ALISON Y/AU       |
| E6  | 1      | TING ALLAN/AU          |
| E7  | 1      | TING AN Y/AU           |
| E8  | 1      | TING AN YIE/AU         |
| E9  | 4      | TING ANDREW/AU         |
| E10 | 1      | TING ANGELA H/AU       |
| E11 | 2      | TING ANNIE K L/AU      |
| E12 | 1      | TING ANTHONY/AU        |
| E13 | 14     | TING ANTHONY E/AU      |
| E14 | 1      | TING ANTHONY EUGENE/AU |
| E15 | 1      | TING ARTHUR J/AU       |

|     |    |                          |
|-----|----|--------------------------|
| E16 | 9  | TING B/AU                |
| E17 | 2  | TING B T/AU              |
| E18 | 38 | TING B T G/AU            |
| E19 | 55 | TING BEALL H P/AU        |
| E20 | 12 | TING BEALL H PING/AU     |
| E21 | 2  | TING BEALL HIE PING/AU   |
| E22 | 1  | TING BEALL P/AU          |
| E23 | 1  | TING BERRETH S A/AU      |
| E24 | 2  | TING BERRETH SHEREE/AU   |
| E25 | 3  | TING BERRETH SHEREE A/AU |

=> S (E3)

L2 11 ("TING ALICE Y"/AU)

=> d ti 1-11

|     |  |        |   |    |
|-----|--|--------|---|----|
| L2  | ANSWER 1 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Genetically encoded fluorescent reporters of histone methylation in living cells.                                    |        |   |    |
| L2  | ANSWER 2 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | In vitro evolution of biotin transferase mutants for site-specific labeling of recombinant proteins in living cells. |        |   |    |
| L2  | ANSWER 3 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Creating new fluorescent probes for cell biology.  |        |   |    |
| L2  | ANSWER 4 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Decoding NF-kappaB signaling.  |        |   |    |
| L2  | ANSWER 5 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Phage-display evolution of tyrosine kinases with altered nucleotide specificity.                                     |        |   |    |
| L2  | ANSWER 6 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Genetically encoded fluorescent reporters of protein tyrosine kinase activities in living cells.                     |        |   |    |
| L2  | ANSWER 7 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Probing ion permeation and gating in a K+ channel with backbone mutations in the selectivity filter.                 |        |   |    |
| L2  | ANSWER 8 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Gating of a K+ channel by a dynamic selectivity filter.  |        |   |    |
| L2  | ANSWER 9 OF 11   | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |
| STN |  |        |   |    |
| TI  | Probing ion permeation in the K+ channel selectivity filter with backbone mutations.                                 |        |   |    |
| L2  | ANSWER 10 OF 11  | BIOSIS | COPYRIGHT (c) 2005 The Thomson Corporation. | on |

STN  
TI Single-molecule fluorescence spectroscopy of enzyme conformational dynamics and cleavage mechanism.  
L2 ANSWER 11 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
TI Molecular cloning of Schizosaccharomyces pombe cDNA encoding lanosterol synthase and investigation of conserved tryptophan residues.

=> d ab bib 6, 3, 2, 1

L2 ANSWER 6 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AB The complexity and specificity of many forms of signal transduction are widely believed to require spatial compartmentation of protein kinase and phosphatase activities, yet existing methods for measuring kinase activities in cells lack generality or spatial or temporal resolution. We present three genetically encoded fluorescent reporters for the tyrosine kinases Src, Abl, and epidermal growth factor (EGF) receptor. The reporters consist of fusions of cyan fluorescent protein (CFP), a phosphotyrosine binding domain, a consensus substrate for the relevant kinase, and yellow fluorescent protein (YFP). Stimulation of kinase activities in living cells with addition of growth factors causes 20-35% changes in the ratios of yellow to cyan emissions because of phosphorylation-induced changes in fluorescence resonance energy transfer (FRET). Platelet-derived growth factor (PDGF) stimulated Abl activity most strongly in actin-rich membrane ruffles, supporting the importance of this tyrosine kinase in the regulation of cell morphology. These results establish a general strategy for nondestructively imaging dynamic protein tyrosine kinase activities with high spatial and temporal resolution in single living cells.  
AN 2002:99786 BIOSIS  
DN PREV200200099786  
TI Genetically encoded fluorescent reporters of protein tyrosine kinase activities in living cells.  
AU **Ting, Alice Y.**; Kain, Kristin H.; Klemke, Richard L.; Tsien, Roger Y. [Reprint author]  
CS Department of Pharmacology, Howard Hughes Medical Institute, University of California at San Diego, 9500 Gilman Drive, 310 CMM-W 0647, La Jolla, CA, 92093-0647, USA  
rtsien@ucsd.edu  
SO Proceedings of the National Academy of Sciences of the United States of America, (December 18, 2001) Vol. 98, No. 26, pp. 15003-15008. print. CODEN: PNASA6. ISSN: 0027-8424.  
DT Article  
LA English  
OS Genbank-AF440201; Genbank-AF440202; Genbank-AF440203  
ED Entered STN: 24 Jan 2002  
Last Updated on STN: 21 Mar 2002

L2 ANSWER 3 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
AN 2003:92262 BIOSIS  
DN PREV200300092262  
TI Creating new fluorescent probes for cell biology.  
AU Zhang, Jin; Campbell, Robert E.; **Ting, Alice Y.**; Tsien, Roger Y. [Reprint Author]  
CS Department of Pharmacology, Massachusetts Institute of Technology, 77,

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Massachusetts Avenue, 18-496, Cambridge, MA, 02139, USA  
rtsien@ucsd.edu  
SO Nature Reviews Molecular Cell Biology, (December 2002) Vol. 3, No. 12, pp.  
906-918. print.  
ISSN: 1471-0072 (ISSN print).  
DT Article  
General Review; (Literature Review)  
LA English  
ED Entered STN: 12 Feb 2003  
Last Updated on STN: 12 Feb 2003

L2 ANSWER 2 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

AN 2003:448089 BIOSIS

DN PREV200300448089

TI In vitro evolution of biotin transferase mutants for site-specific  
labeling of recombinant proteins in living cells.

AU Quinones, Elsa V. Arocho [Reprint Author]; Ting, Alice Y.  
[Reprint Author]

CS Massachusetts Institute of Technology, 77 Mass. Ave., Cambridge, MA,  
02139, USA

SO Biophysical Journal, (February 2003) Vol. 84, No. 2 Part 2, pp. 176a.  
print.

Meeting Info.: 47th Annual Meeting of the Biophysical Society. San  
Antonio, TX, USA. March 01-05, 2003. Biophysical Society.

ISSN: 0006-3495 (ISSN print).

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 1 Oct 2003

Last Updated on STN: 1 Oct 2003

L2 ANSWER 1 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

AN 2004:351131 BIOSIS

DN PREV200400351583

TI Genetically encoded fluorescent reporters of histone methylation in living  
cells.

AU Lin, Chi-Wang; Jao, Cindy Y.; Ting, Alice Y. [Reprint Author]

CS Dept Chem, MIT, 77 Massachusetts Ave, Cambridge, MA, 02139, USA  
ating@mit.edu

SO Journal of the American Chemical Society, (May 19 2004) Vol. 126, No. 19,  
pp. 5982-5983. print.

ISSN: 0002-7863 (ISSN print).

DT Article

LA English

OS DDBJ-AY422822; EMBL-AY422822; GenBank-AY422822; DDBJ-AY422823;  
EMBL-AY422823; GenBank-AY422823

ED Entered STN: 26 Aug 2004

Last Updated on STN: 26 Aug 2004

=> FIL STNGUIDE

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